

Operating Committee
WebEx Only
October 7, 2021
9:00 a.m. – 2:00 p.m. EDT

Administration

1. Lauren Strella Wahba, PJM, provided announcements; reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation, and the WebEx Participant Identification Requirement.
 - a. Reviewed and approved draft minutes from the September 10th OC meeting. **The Committee approved the draft minutes from the September 10, 2021 Operating Committee meeting with 0 objections and 0 abstentions.**
 - b. Reviewed the OC work plan.

Review of Operations

2. PJM COVID-19 Update
Paul McGlynn, PJM, provided an update on PJM's operations plan in response to COVID-19.
<https://pjm.com/committees-and-groups/pandemic-coordination.aspx>
3. Review of Operating Metrics
Stephanie Monzon, PJM, reviewed the September 2021 PJM operating metrics slides. Metrics included PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.

Endorsements/Approvals

4. Manual 01 Attachment F: Control Center and Data Exchange Requirements (MOC Remote Operations)
Chris Moran, PJM, reviewed Manual 01 Attachment F changes related to Exceptional Circumstances outside of COVID-19. Attachment F is set to expire on December 31, 2021 and the language changes will make Attachment F a permanent part of Manual 01.
The Operating Committee endorsed the changes to Manual 01 Attachment F with 0 objections and 0 abstentions.

First Reading

5. Manual 03: Transmission Operations
Lagy Mathew, PJM, reviewed updates to Manual 3: Transmission Operations as a part of the periodic review. **The Operating Committee will be asked to endorse these changes at its next meeting.**
6. Manual 10: Pre-Scheduling Operations
Vince Stefanowicz, PJM, reviewed updates to Manual 10: Pre-Scheduling Operations as a part of the periodic review.
The Operating Committee will be asked to endorse these changes at its next meeting.

7. Manual 14D: Generator Operational Requirements
Vince Stefanowicz, PJM, reviewed updates to Manual 14D: Generator Operational Requirements as a part of the periodic review.
The Operating Committee will be asked to endorse these changes at its next meeting.
8. Manual 13: Emergency Operations
Brian Oakes, PJM, reviewed updates to Manual 13: Emergency Operations as part of the periodic review.
The Operating Committee will be asked to endorse these changes at its next meeting.
9. Day Ahead Schedule Reserve (DASR) Update
David Kimmel, PJM, reviewed preliminary proposed changes to the 2022 Day Ahead Scheduling Reserve (DASR) requirement.
The Operating Committee will be asked to endorse the changes at its next meeting.
10. Winter Weekly Reserve Target Update
Patricio Rocha Garrido, PJM, reviewed the results of the 2021/22 Winter Weekly Reserve Target (WWRT) analysis.
The Operating Committee will be asked to endorse the results at its next meeting.
11. Synchronous Reserve Deployment Stakeholder Initiative
 - a. Ilyana Dropkin, PJM, provided a summary of the Synchronized Reserve Deployment Stakeholder Initiative.
 - b. Mike Zhang, PJM, provided a first read of the PJM package that was developed in the SRDTF.
The Operating Committee will be asked to endorse the solution package at its next meeting.
 - c. Siva Josyula, IMM, provided a first read of the IMM package that was developed in the SRDTF.
The Operating Committee will be asked to endorse the solution package at its next meeting.

Informational Updates

12. System Operations Subcommittee (SOS) Report
Becky Carroll, PJM, provided a summary of the most recent SOS meeting.
13. Cold Weather Preparation Update
Vince Stefanowicz, PJM, reviewed Generation Resource Cold Weather Preparation activities.
14. Reliability Compliance Update
Becky Davis, PJM, provided an update on NERC, SERC, RFC, and NAESB standards, and other pertinent regulatory and compliance information, and solicited feedback from the members on Reliability Compliance efforts.

15. February 2021 Cold Weather Preliminary Report
Dwayne Fewless, ReliabilityFirst, provided an update on the preliminary findings and recommendations from the February 2021 extreme cold weather event. This preliminary report was the result of a joint inquiry performed by a team of staff from FERC, NERC, and its regional entities.
16. Black Start Capital Recovery Factor (“CRF”) Rate Show Cause Proceeding Update
Steve Pincus, PJM, reviewed PJM’s intended response to FERC’s [order](#) issued on August 10, 2021 (“August 10 Order”), establishing a show cause proceeding in Docket No. EL21-91-000, the Black Start Capital Recovery Factor (“CRF”) Rate Order to Show Cause Proceeding.
17. Update on PJM Paper Hearing Responses to Cost Allocation Questions From June 25th Order
Jonathan Kern, PJM, provided an update on when and how PJM plans to respond to the 14 cost allocation questions raised by the Commission in its June 25, 2021 Order that resulted from a complaint filed by Neptune and LIPA on December 31, 2020 related to 20 RTEP projects.

Working Items

Informational Only Postings

18. PJM Summer Operations
An informational presentation is available with the meeting material on PJM Summer Operations performance. Becky Carroll was available during the meeting to answer any questions on this material.

Attendance

Last Name	First Name	Company	Sector
Phillips (Chair)	Darlene	PJM Interconnection	Not Applicable
Strella Wahba (Secretary)	Lauren	PJM Interconnection	Not Applicable
Anders	David	PJM Interconnection	Not Applicable
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Barmer	Mike	Dominion Virginia Power	None
Bautista	Alejandro	PJM Interconnection	Not Applicable
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett	Dan	PJM Interconnection	Not Applicable
Berton	Tyler	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Bielak	Donnie	PJM Interconnection	Not Applicable
Blair	Tom	Monitoring Analytics	None
Boyle	Glen	PJM Interconnection	Not Applicable
Brady	George	Ohio Valley Electric Corp	Transmission Owner
Braerman	Ken	BGE	None

Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Brown	Rich	PJM Interconnection	Not Applicable
Bryson	Mike	PJM Interconnection	Not Applicable
Cao	Roger	PJM Interconnection	Not Applicable
Capra	Carlo	ITC Interconnection LLC	Transmission Owner
Carmean	Gregory	Organization of PJM States, Inc. (OPSI)	Not Applicable
Carroll	Rebecca	PJM Interconnection	Not Applicable
Cerchio	Jerry	Monitoring Analytics	None
Chen	Hong	PJM Interconnection	Not Applicable
Chmielewski	Brian	PJM Interconnection	Not Applicable
Christopher	Mahila	Public Utilities Commission of Ohio	None
Chu	George	PJM Interconnection	Not Applicable
Cosby	Chris		
Crystle	Gil	UGI Development Company	Generation Owner
Dajewski	Paul	PJM Interconnection	Not Applicable
D'Alessandris	Lou	FirstEnergy Corporation	Transmission Owner
D'Antonio	Philip	PJM Interconnection	Not Applicable
Davis	Elizabeth	PJM Interconnection	Not Applicable
Davis	Jim	Dominion Energy Generation Marketing, Inc.	Generation Owner
Del Viscio	Mike	PJM Interconnection	Not Applicable
DeVita	Thomas	PJM Interconnection	Not Applicable
Downs	Jere	PJM Interconnection	Not Applicable
Dropkin	Ilyana	PJM Interconnection	Not Applicable
Egan	Amanda	PJM Interconnection	Not Applicable
Egan	David	PJM Interconnection	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Fahr	Suzie	PJM Interconnection	Not Applicable
Fan	Zhenyu	PJM Interconnection	Not Applicable
Fereshetian	Damon	PJM Interconnection	Not Applicable
Fewless	Dwayne	ReliabilityFirst	None
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fitzpatrick	Brian	PJM Interconnection	Not Applicable
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Frogg	Darrell	PJM Interconnection	Not Applicable
Garnett	Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner

Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Gledhill	Andrew	PJM Interconnection	Not Applicable
Grear	Mark	Exelon Generation Co., LLC	Generation Owner
Greiner	Gary	PSEG Energy Resources & Trade LLC	Other Supplier
Guignet	Douglas	PJM Interconnection	Not Applicable
Hammack	Matthew	PPL Electric Utilities Corporation	Transmission Owner
Hanebuth	Michele	Consolidated Edison Company of New York, Inc	Transmission Owner
Hastings	David	Market Interconnection Consulting Services (MICS)	None
Hauske	Tom	PJM Interconnection	Not Applicable
Hehir	Flannan	Appian Way Energy	
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horger	Tim	PJM Interconnection	Not Applicable
Horning	Lynn	Customized Energy Solutions, Ltd.	None
Horstmann	John	Dayton Power & Light Company	Transmission Owner
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
Hyatt	Earl	Monitoring Analytics	None
Hyzinski	Tom	GT Power Group, LLC	None
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
Jardot	Gina	NRG Power Marketing, LLC	Generation Owner
Jarrah	Danny	PPL	
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	Dave	Indiana Utility Regulatory Commission	None
Josyula	Siva	Monitoring Analytics	None
Kazerooni	Hamid	PJM Interconnection	Not Applicable
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney	Susan	PJM Interconnection	Not Applicable
Kern	Jonathan	PJM Interconnection	Not Applicable
Kimmel	David	PJM Interconnection	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Krawczyk	Leslie	ReliabilityFirst	None
Lee	Ray	PJM Interconnection	Not Applicable
Libbos	Robin	FirstEnergy Corporation	Transmission Owner
Lieberman	Steve	American Municipal Power, Inc.	Electric Distributor
Lowe	Connie	Dominion Virginia Power	None

Lynn	Brian	PJM Interconnection	Not Applicable
Mali	Gizella	PJM Interconnection	Not Applicable
Manno	Dean	PJM Interconnection	Not Applicable
Marinelli	Richard	Public Service Electric & Gas Company	Transmission Owner
Mathew	Lagy	PJM Interconnection	Not Applicable
McGlynn	Paul	PJM Interconnection	Not Applicable
McLaverty	Megan	PJM Interconnection	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Militello	Nikki	PJM Interconnection	Not Applicable
Monzon	Stephanie	PJM Interconnection	Not Applicable
Moran	Christopher	PJM Interconnection	Not Applicable
Mulhern	Joe	PJM Interconnection	Not Applicable
Oakes	Brian	PJM Interconnection	Not Applicable
O'Hara	Chris	PJM Interconnection	Not Applicable
Olaleye	Michael	PJM Interconnection	Not Applicable
Olinger	Robert	Keystone Projects	None
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pakela	Gregory	DTE Energy Trading, Inc.	Other Supplier
Pilong	Christopher	PJM Interconnection	Not Applicable
Pincus	Steve	PJM Interconnection	Not Applicable
Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Rajpurohit	Ajeet	PJM Interconnection	Not Applicable
Robinson	Becky	Vista Energy Marketing, L.P.	Other Supplier
Rocha-Garrido	Patricio	PJM Interconnection	Not Applicable
Rodriguez	Tomas	OPSI	None
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Schields	Jeffery	PJM Interconnection	Not Applicable
Schweizer	David	PJM Interconnection	Not Applicable
Sotkiewicz	Paul	E-Cubed Policy Associates	Not Applicable
Souder	Michelle	PJM Interconnection	Not Applicable
Squibb	Bill	Ohio Valley Electric Corp	Transmission Owner
Stack	James	Duquesne Light Company	Transmission Owner
Stefanowicz	Vince	PJM Interconnection	Not Applicable
Stemetzki	Mike	PJM Interconnection	Not Applicable
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	PJM Interconnection	Not Applicable

Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	GT Power Group	None
Tam	Simon	PJM Interconnection	Not Applicable
Terranova	Chris	PJM Interconnection	Not Applicable
Thomas	Jack	PJM Interconnection	Not Applicable
Tutino	Joey	PJM Interconnection	Not Applicable
Ward	Mike	PJM Interconnection	Not Applicable
Wharton	Matt	Guidehouse, Inc.	None
Whitehead	Jeff	GT Power Group	None
Widom	Stuart	PJM Interconnection	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Yoder	Michael	RTO Insider	None
Zhang	Michael	PJM Interconnection	Not Applicable

OC Subcommittee/ Task Force Informational Section

System Operations Subcommittee (SOS): [SOS Website](#)


Data Management Subcommittee (DMS): [DMS Website](#)

DER & Inverter-Based Resources Subcommittee (DIRS): [DIRS Website](#)

Fuel Requirements for Black Start Resources: [Fuel Req't. for Black Start Resources Issue Tracker](#)

Synchronous Reserve Deployment Task Force: [SRDTF Website](#)

IROL – CIP Cost Recovery: [IROL – CIP Cost Recovery Issue Tracker](#)

Future Meeting Dates and Materials			Materials Due to Secretary 	Materials Published
Date	Time	Location	5 p.m.	4 p.m.
November 04, 2021	9 a.m.	WebEx	October 25, 2021	October 28, 2021
December 02, 2021	9 a.m.	WebEx	November 22, 2021	November 24, 2021

Author: L. Stella Wahba

Antitrust:

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

Code of Conduct:

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

Public Meetings/Media Participation:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

Participant Identification in WebEx:

When logging into the WebEx desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the "call me" option. PJM support staff continuously monitors WebEx connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.

During a Meeting	During an Acclamation Vote
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>*1</p> <p>To enter the question queue (does not work during a vote)</p> </div> <div style="text-align: center;"> <p>*2</p> <p>To be removed from the question queue</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>*0</p> <p>To signal for PJM support staff assistance</p> </div>	<p>Please log in to the voting application at voting.pjm.com, so that you can be registered as the active voter prior to the start of the meeting.</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>*7</p> <p>Yes</p> </div> <div style="text-align: center;"> <p>*8</p> <p>No</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>*9</p> <p>Abstain</p> </div> <div style="text-align: center;"> <p>*0</p> <p>To signal for PJM support staff assistance</p> </div> </div>
<p>Asking A Question</p> <ul style="list-style-type: none"> Dialing *1 enters you into the question queue; the three dial tones are an auditory indication that you have successfully been placed in the queue. Questions are taken during the meeting when natural breaks occur and are asked in the order they are received. 	
<p>Linking Teleconference Connection to Webex</p> <p>When logging in to the meeting, access Webex first and select the "call me" feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.</p>	

<h2>Join a Meeting</h2>	<ol style="list-style-type: none"> 1. Join meeting in the Webex desktop client 2. Enter name (<i>First and Last*</i>) and corporate email 3. Call in to the operator-assisted number
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**Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)
 Visit learn.pjm.com, an easy-to-understand resource about the power industry and PJM's role.